

Amendment and Listing of the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. **(Previously Presented)** A method for controlling Quality of Service (QoS) levels/service levels within a wired network associated with wireless Local Area Network (LAN), the wired network having different paths for carrying information frames received from at least one mobile terminal user, comprising the steps of:

receiving in the wired network at least one information frame from the at least one mobile terminal user in said wireless LAN;

determining a QoS level/service level for the received at least one information frame;

associating with the received at least one information frame an identifier that identifies at least one path through the wired network having a transmission capability sufficient to provide the determined QoS level/service level, wherein the identifier includes a Virtual Local Area Network (VLAN) number; and

routing the at least one information frame in the wired network along at least the at least one path identified by the associated identifier.

2. **(Previously Presented)** The method according to claim 1 wherein the QoS level/service level is determined from the identity of the mobile terminal user that originated the at least one information frame.

3. **(Previously Presented)** The method according to claim 1, wherein the QoS level/service level is determined in accordance with a QoS level/service level request received from the at least one mobile terminal user.

4. **(Previously Presented)** The method according to claim 1 wherein the step of receiving the at least one information frame comprises the step of receiving an IP packet in an Ethernet Frame.

5. **(Cancelled).**

6. **(Previously Presented)** The method according to claim 1 wherein the step of routing the at least one information frame comprises the step of routing the at least one information frame to one of a plurality of separate destinations.

7. **(Previously Presented)** The method according to claim 1 wherein the step of routing the at least one information frame comprises the step of routing the at least one information frame to one destination across a selected one of a plurality of interfaces.

8. **(Currently Amended)** A wireless Local Area Network (LAN) for routing received information frames, the wireless LAN associated with a wired network having Quality of Service (QoS) levels/service levels, wherein the wired network having different paths for carrying information frames received from at least one mobile terminal user, the wireless LAN comprising:

at least one Access Point for receiving radio traffic from at least one mobile terminal and for communicating such traffic in the form of at least one information frame;

an administrative gateway for establishing a Quality of Service (QoS) levels/service level for the at least one information frame and for instructing the at least one Access Point to assign an identifier of at least one network path to the at least one information frame that identifies a path through the wired network having transmission capability in accordance with the QoS level/service level established for the at least one information frame, wherein the identifier comprises a Virtual Local Area Network (VLAN) number; and

a switch for routing the at least one information frame along the at least one network path to a destination selected in accordance with the assigned identifier.

9. **(Currently Amended)** The wireless LAN according to claim 8, wherein the switch ~~comprises~~ is a Virtual Local Area Network (VLAN) capable Ethernet switch.

10. **(Previously Presented)** The wireless LAN according to claim 8 further including a plurality of routing gateways, each comprising a destination for the at least one information frame routed by the switch in accordance with the identifier assigned to the at least one information frame.

11. **(Previously Presented)** The wireless LAN according to claim 8 further including a routing gateway, having a plurality of interfaces, each interface providing a path for carrying the at least one information frame routed by the switch in accordance with the identifier assigned to the at least one information frame.

12. **(Previously Presented)** The method according to claim 1, wherein the VLAN number is the identifier that identifies the path through the wired network having transmission capability sufficient to provide the determined QoS level/service level.

13. **(Previously Presented)** The wireless LAN according to claim 8, wherein the VLAN number is the identifier that identifies the path through the wired network having transmission capability in accordance with the QoS level/service level established for the at least one information frame.